

ABSTRACT OF THE DISCLOSURE

5 The invention provides a route updating method which
reduces the flow rate of updating notifications, which are
circulated in a network, to improve the scalability. A
micromobility network includes routers connected in a tree
connection and radio base stations connected to the routers
in the lowest layer such that an updating notification of a
route from a mobile terminal is repeated in order from a radio
base station to successive higher order routers to update the
10 route and a packet is distributed along the updated route. In
the mobility network, directly lower order routers to each router
are numbered to the numbers 1 to n with reference to the direct
lower order router accommodation number n, and a route from
the radio base station to the router in the highest layer
15 represented by a route number composed of the numbers of the
thus numbered routers is applied to the radio base station.
Upon updating notification, the route number is referred to
to determine a stage number m of a transmission range and the
updating notification is transmitted to a higher order router
20 corresponding to the stage number m.